Development of Model Criteria for Groundwater Monitoring



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Background

- DOGGR Draft Regulations released Jan 2013
- > 2013 Well Stimulation Legislation
 - Several bills initiated
 - SB 4 (Pavley) ultimately survived; signed into law
- Interim DOGGR regulations
 - Active until July 1, 2015
 - Includes groundwater monitoring requirements



SB 4 Requirements

- DOGGR Final Regulations
 - become active July 1, 2015
- Water Board to implement regulatory program for groundwater monitoring
 - Develop "model criteria" for groundwater monitoring
 - Board set to adopt model criteria by July 1, 2015



SB 4 Development of Model Criteria

- Model criteria is being developed in consultation with:
 - DOGGR
 - Technical Experts
 - Public Stakeholders
- Lawrence Livermore National Laboratory (LLNL) as lead expert and provide written recommendations to State Water Board staff
- U.S. Geological Survey collecting and analyzing data and information to help develop model criteria



SB 4 - Model Criteria

- Three Main Components of Criteria:
 - Operator-required groundwater monitoring near wells to be stimulated
 - 2. Regional-scale monitoring (State Water Board)
 - 3. Neighbor notification (Designated Samplers)
- Model Criteria to include (but not limited to):
 - Monitoring Methods
 - Chemicals to Analyze
 - Frequency/Duration of monitoring
 - Areas to monitor



Project Timeline

- August 2014 Public stakeholder kickoff meeting(s)
- December 2014 LLNL-hosted meeting with technical experts and stakeholders on model criteria design
- Winter 2015 Board informational item on status of model criteria development with LLNL
- Early Spring 2015 LLNL to submit draft recommendation report to State Water Board staff on model criteria (for public review)



Proposed Timeline (cont.)

- Spring/Early Summer 2015 State Board staff to draft model criteria using recommendations from LLNL report
- By July, 1 2015 Water Board adoption of final model criteria
- January 1, 2016 State Water Board begin regional groundwater monitoring



Additional Information

- State Water Board Web Site http://www.waterboards.ca.gov/water_issues/programs/gro undwater/sb4.shtml
- DOGGR Web Site http://www.conservation.ca.gov/dog/Pages/WellStimulation .aspx#Item1
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